

RAW SEQUENCE LISTING

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Application Serial Number: 10/S201008
Source: PCT
Date Processed by STIC: 3/16/06

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PCT

RAW SEQUENCE LISTING

DATE: 03/16/2006

PATENT APPLICATION: US/10/520,008

TIME: 11:54:34

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\03162006\J520008.raw

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3 <110> APPLICANT: TAKARA BIO INC.
5 <120> TITLE OF INVENTION: Method for introducing mutation into target nucleic acid
7 <130> FILE REFERENCE: 663910
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/520,008
C--> 9 <141> CURRENT FILING DATE: 2004-12-30
9 <150> PRIOR APPLICATION NUMBER: JP 2002-204887
10 <151> PRIOR FILING DATE: 2002-07-12
12 <150> PRIOR APPLICATION NUMBER: JP 2003-113534
13 <151> PRIOR FILING DATE: 2003-04-18
15 <160> NUMBER OF SEQ ID NOS: 16
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 720
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Gene encoding red-shifted
26 green fluorescence protein.
28 <400> SEQUENCE: 1
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30 ggtgatgtta acggccacaa gttctctgtc agtggagagg gtgaaggatga tgcaacatac 120
31 ggaaaactta ccctgaagtt catctgcact actggcaaac tgctgttcc atggccaaca 180
32 ctagtcaacta ctctgtgcta tgggtgttcaa tgcttttcaa gatacccga tcatatgaaa 240
33 cggcatgact ttttcaagag tgccatgccc gaaggttatg tacaggaaag gaccatcttc 300
34 ttcaaagatg acggcaacta caagacacgt gctgaagtca agtttgaagg tgataccctt 360
35 gttaatataga tcgagttaaa aggtattgac ttcaaggaag atggaaacat tctgggacac 420
36 aaattggaat acaactataa ctcacacaat gtatacatca tggcagacaa acaaaaagaat 480
37 ggaatcaaag tgaacttcaa gacccgccac aacattgaag atggaagcgt tcaactagca 540
38 gaccattatc aacaaaatac tccaattggc gatggccctg tccttttacc agacaaccat 600
39 tacctgtcca cacaatctgc ctttcgaaa gatcccaacg aaaagagaga ccacatggtc 660
40 cttcttgagt ttgtaacagc tgctgggatt acacatggca tggatgaact gtacaactga 720
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 40
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-EcoRI to
50 amplify a gene encoding red-shifted green fluorescence
51 protein.
53 <400> SEQUENCE: 2
54 cttgaattcg gtaccgagct cggatcgggc gcgcaagaaa 40
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 20

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59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer DEND to
amplify
64 a gene encoding red-shifted green fluorescence protein.
66 <400> SEQUENCE: 3
67 cactggcggc cggtactagt 20
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 40
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-HindIII
77 to amplify a gene encoding red-shifted green fluorescence
78 protein.
80 <400> SEQUENCE: 4
81 cttaagcttg gtaccgagct cggatcgggc gcgcaagaaa 40
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 40
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer U100HindIII
91 to amplify a portion of gene encoding red-shifted green
92 fluorescence protein.
94 <400> SEQUENCE: 5
95 ctaagcttct ggcaaactgc ctgttccatg gccaaacta 40
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 40
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer D100BamHI to
105 amplify a portion of gene encoding red-shifted green
106 fluorescence protein.
108 <400> SEQUENCE: 6
109 tcggatccaa gtcatgccgt ttcatatgat ccgggtatct 40
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 37
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-EcoRI-1
119 to amplify a gene encoding red-shifted green fluorescence
120 protein.
122 <400> SEQUENCE: 7
123 gaattcggta ccgagctcgg atcgggcgcg caagaaa 37
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 37

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128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-HindIII-1
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134     protein.
136 <400> SEQUENCE: 8
137 aagcttggtgta ccgagctcgg atcgggcgcg caagaaa                37
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 38
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer U100HindIII-1
147     to amplify a portion of gene encoding red-shifted green
148     fluorescence protein.
150 <400> SEQUENCE: 9
151 aagcttctgg caaactgcct gttccatggc caacacta                38
154 <210> SEQ ID NO: 10
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157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <221> NAME/KEY: modified_base
161 <222> LOCATION: (1)..(4)
162 <223> OTHER INFORMATION: um
164 <220> FEATURE:
165 <221> NAME/KEY: modified_base
166 <222> LOCATION: (50)..(53)
167 <223> OTHER INFORMATION: um
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Chimeric oligonucleotide
171     ss Oligo.
173 <400> SEQUENCE: 10
174 uuuuatcttg aaaagcattg aacaccatag cacagagtag tgactagtgu uuut        54
177 <210> SEQ ID NO: 11
178 <211> LENGTH: 35
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer RNA-ecoRI
184     to amplify a portion of gene encoding red-shifted green
185     fluorescence protein."nucleotides 1 to 6 are 2'-O-methyl
186     ribonucleotides - other nucleotides are deoxyribonucleotides"
188 <400> SEQUENCE: 11
189 gaauucggta ccgagctcgg atcgggcgcg caaga                35
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 35
194 <212> TYPE: DNA

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195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer RNA-hindIII
199     to amplify a portion of gene encoding red-shifted green
200     fluorescence protein. "nucleotides 1 to 6 are 2'-O-methyl
201     ribonucleotides - other nucleotides are deoxyribonucleotides"
204 <400> SEQUENCE: 12
205 aagcuuggta ccgagctcgg atcgaggagag caaga                      35
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 30
210 <212> TYPE: DNA
211 <213> ORGANISM: homo sapience
213 <400> SEQUENCE: 13
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217 <210> SEQ ID NO: 14
218 <211> LENGTH: 40
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB1 to
224     amplify a portion of gene encoding red-shifted green
225     fluorescence protein.
227 <400> SEQUENCE: 14
228 agctaaagca atctcagttg tacagttcat ccatgccatg                40
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 40
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB2 to
237     amplify a portion of gene encoding red-shifted green
238     fluorescence protein.
240 <400> SEQUENCE: 15
241 tccggaattt ccaagctaaa gcaatctcag ttgtacagtt                40
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 40
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB3 to
251     amplify a portion of gene encoding red-shifted green
252     fluorescence protein.
254 <400> SEQUENCE: 16
255 ttttgatcc cagctccgga attccaagc taaagcaatc                40

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date